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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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EXAMINER
DAS, CHAMELI

ART UNIT	PAPER NUMBER
2122	

DATE MAILED: 12/16/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

PTC·90C (Rev. 07-01)

-- The MAILING DATE of this communication appears on the cover sh et with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE *3* MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *01 December 1999* .

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-37* is/are pending in the application.

　　4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-37* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

　　Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

11)☐ The proposed drawing correction filed on _____ is: a)☐ approved b)☐ disapproved by the Examiner.

　　If approved, corrected drawings are required in reply to this Office action.

12)☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

13)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

　　a)☐ All b)☐ Some * c)☐ None of:

　　　1.☐ Certified copies of the priority documents have been received.

　　　2.☐ Certified copies of the priority documents have been received in Application No. _____ .

　　　3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

　　* See the attached detailed Office action for a list of the certified copies not received.

14)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).

　　a) ☐ The translation of the foreign language provisional application has been received.

15)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☒ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) *6* .

4) ☐ Interview Summary (PTO-413) Paper No(s). _____ .
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other:

DETAILED ACTION

1.   Claims 1-37 are pending.

Claim Rejections - 35 USC § 103

2.   The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth
> in section 102 of this title, if the differences between the subject matter sought to be patented and the prior
> art are such that the subject matter as a whole would have been obvious at the time the invention was made
> to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be
> negatived by the manner in which the invention was made.

3.   Claims 1-37 are rejected under 35 U.S.C. 103(a) as being unpatentable over Madison Jr,

et al (Madison), US 5,887,139 and further in view of Lipkin, US 5,999,944.

As per claim 1, 36, Madison discloses:

- a method for developing an application program, the application program having

at least one graphical interface having a resource-data-containing file as claimed is shown in

ABSTRACT line 1-18

- at least one parameter specified in a resource data containing file (column 5, lines 13-

16)

- creating the resource data-containing file (Abstract lines 14-18)

- using a markup language (column 4, lines 37-44)

- using a graphical control locator for identifying the resource data-containing file

(column 7, lines 1-7)

- provide the parameter to the graphical interface (column 5, lines 13-47)

- carrying out the instructions in the markup language to implement the graphical

interface as claimed (column 3, lines 44-50, column 4, lines 37-45).

Madison does not specifically disclose parsing text in the resource data containing file and

walking the parsed text as claimed. However, Lipkin discloses parsing text in the resource data

containing file and walking the parsed text as claimed (column 19, lines 16-21).

Therefore, it would have been obvious to a person of ordinary skill in the at the time of invention

was made to incorporate the teaching of Lipkin into the method of Madison to parse the text.

The modification would be obvious because one of the ordinary skill in the art would to want

identify each data of the node so that efficiently displayed and easily modified the resource data

containing file.

As per claim 2, the rejection of claim 1 is incorporated and further Madison discloses:

- the graphical interface has a property specifiable by the parameter (column 5, lines 46-

51).

As per claim 3, Madison does not specifically discloses parsing the text generates a tree.

However, Lipikin discloses parsing the text generates a tree (Abstract, lines 5-9), and (column

10, lines 20-22).

Therefor, it would have been obvious to one of the ordinary skill in the art at the time of invention was made to incorporate the teaching of Lipkin into the method of Madison to generate a tree structure. The modification would be obvious because one of the ordinary skill in the art would want to organize the text so that the system can access all the nodes in a particular order.

As per claim 4, Madison discloses resource identifier identify the parameter to a requested graphical property (column 5, lines 12-47). *Madison does not specifically disclose identify a node corresponding to a graphical property.* However Lipkin discloses identify a node corresponding to a graphical property (column 20, lines 15-20).

Therefor, it would have been obvious to one of the ordinary skill in the art at the time of invention was made to incorporate the teaching of Lipkin into the method of Madison to generate a tree structure with identifying nodes. The modification would be obvious because one of the ordinary skill in the art would want to organize the text so that the system can access all the nodes in a particular order.

As per claim 5, the rejection of claim 1 is incorporated and further Madison discloses:

- the graphical control locator parses the text in the resource data containing file (column 5, lines 13-30).

As per claim 6, Madison does not specifically disclose walks the tree constructed by the step of parsing the text. However, Lipkin discloses walks the tree as claimed (column 19, lines 34-35).

As per claim 7, the rejection of claim 1 is incorporated and further Madison discloses:

- the graphical control locator is a resource loader (column 5, lines 64-67 and column 6

lines 1-10).

As per claim 8, the rejection of claim 1 is incorporated and further Madison discloses:

- the resource data containing file is a resource file (column 5, lines 13-25), where

specific parameters are associated with the particular device (resource) (column 6, lines 18-20).

As per claim 9, 23, Madison discloses:

- generating the resource data containing file with a resource data editor for generating

text (Abstract, lines 14-17), where "creating the resource information and data stream (text), the

resource information providing a context for data int he data stream" shows that generating the

resource data containing file for generating text, the editor is shown in (column 2, lines 6-15),

where changing or replacing data stream inherently including editing the text as claimed, the text

is in desired markup language is shown in (column 4, lines 42-44).

As per claim 10, Madison discloses:

- modifying the resource data-containing file (column 2, lines 8-15).

As per claim 11, Madison discloses:

- resource data editor provides a name for the resource data containing file in accordance

with the resource identifier as claimed (column 5, lines 13-20), the parameter name and identity

of the server inherently including a predefined format as claimed.

As per claim 12, Madison discloses:

- graphical control locator uses the resource identifier for locating the resource data

containing file (column 13-50, column 7, lines 4-20).

As per claim 13 and 14, 24, Madison discloses the file executes (column 3, lines 56-57).

Madison does not specifically disclose the script. However, Lipkin discloses script

(column 12, lines 62-67 and column 13, lines 1-15). Therefor, it would have been obvious to one

of the ordinary skill in the art at the time of invention was made to incorporate the teaching of

Lipkin into the method of Madison to have script. The modification would be obvious because

one of the ordinary skill in the art would want to provide the rules and syntax in the instructions.

As per claim 15, Madison discloses:

- generating events due to user input responsive to the graphical interface (Abstract, lines

1-18).

As per claim 16, Madison discloses:

- modify the graphical interface as claimed (Abstract lines 14-18 and column 2,

lines 6-15).

As per claim 17, Madison discloses:

- transmitting a message from the graphical control locator to the application as

claimed (column 3, lines 45-46).

As per claim 18, Madison does not specifically disclose the multimedia. However

Lipkin discloses multimedia in his background section (column 1, lines 26-66).

Therefor, it would have been obvious to one of the ordinary skill in the art at the time of

invention was made to incorporate the teaching of Lipkin into the method of Madison to provide

multi media. The modification would be obvious because one of the ordinary skill in the art

would want to provide the system which is the combination of sound, graphics, animation and

video and which combines the aforementioned elements with hypertext.

As per claim 19, Madison discloses:

- the resource file is carried out at runtime (column 3, lines 56-57).

As per claim 20, Madison discloses:

- a first group of workers generating functional code for an application as claimed

(column 3, lines 40-41 and column 2, lines 56-58)

- a second group of workers who modify the functional code by modifying an external

resource data containing file (column 2, lines 45-50), where graphical user interface displays

state of the network devices based upon the resource information and data stream (Abstract, lines

14-18), it shows that modify the code by modifying resource data as claimed

- external resource data -containing file includes markup language (column 4, lines 41-

44)

- whereby obviating compilation for the external resource data file for the execution as

claimed (column 4, lines 40-41)

- a graphical control locator for locating the external resource data containing file and for

identifying a requested parameter stored in the external resource data as claimed (column 7, lines

1-21) and (column 5, lines 13-20)

-Madison does not specifically disclose file parser as claimed. However, Lipkin discloses

parsing text in the resource data containing file and walking the parsed text as claimed (column

19, lines 16-21).

Therefore, it would have been obvious to a person of ordinary skill in the at the time of invention

was made to incorporate the teaching of Lipkin into the method of Madison to parse the text.

The modification would be obvious because one of the ordinary skill in the art would to want

identify each data of the node so that efficiently displayed and easily modified the resource data

containing file.

As per claim 21, Madison discloses:

- wherein resource loader provides both the services of the graphical control locator and

the resource file parser as claimed (column 2, lines 5-32) and (column 4, lines 39-45).

As per claim 22, Madison does not specifically disclose additional name spaces into a

schema. However, Lipkin discloses additional name space into a schema (column 5, lines 46-47)

and (column 13, lines 44-53).

Therefore, it would have been obvious to a person of ordinary skill in the at the time of invention

was made to incorporate the teaching of Lipkin into the method of Madison to have additional

name space into the schema. The modification would be obvious because one of the ordinary

skill in the art would to want to efficiently and easily displayed the large virtual world as needed.

As per claim 25, Madison discloses request from user to edit the resource file and

functional code invoking the resource file (column 1, lines 25-35, column 2, lines 5-15 and

column 2, lines 45-50 and column 3, lines 55-57).

Madison does not specifically disclose a copy of the resource file. However, Lipkin discloses

the copy of the file as claimed.

Therefore, it would have been obvious to a person of ordinary skill in the at the time of invention

was made to incorporate the teaching of Lipkin into the method of Madison to the copy of the

file. The modification would be obvious because one of the ordinary skill in the art would to

want to display multiple copies of similar geometry, which each copy differs from another by a

limited number of attributes such as location, title or color. Each geometry is represented by an

individual world that is imported into the database. Then multiple copies of each world are

instantiated. (Column 23, lines 1-8).

As per claim 26 and 27, Madison does not specifically disclose enhancing security of the

functional code. However, Lipkin discloses the enhancing security of the functional code

(column 18, lines 58-67).

Therefore, it would have been obvious to a person of ordinary skill in the at the time of invention

was made to incorporate the teaching of Lipkin into the method of Madison for having security

enhancement. The modification would be obvious because one of the ordinary skill in the art

would to want to provide a security measure used to restrict access to computer systems and

sensitive files.

As per claim 28, Madison does not specifically disclose enhancing security of the

functional code. However, Lipkin discloses the enhancing security of the functional code

(column 18, lines 58-67).

Therefore, it would have been obvious to a person of ordinary skill in the at the time of invention

was made to incorporate the teaching of Lipkin into the method of Madison for having security

enhancement. The modification would be obvious because one of the ordinary skill in the art

would to want to provide a security measure used to restrict access to computer systems and

sensitive files.

For the rest of the limitations see the rejection of claim 1.

As per claim 29, Madison does not specifically disclose enhancing security of the

functional code. However, Lipkin discloses the enhancing security of the functional code

(column 18, lines 58-67).

As per claim 30, claim 20 is incorporated and further Madison discloses the first

worker is a designer (column 1, lines 25-35), where users are the designers.

As per claim 31, claim 20 is incorporated and further Madison discloses the second

worker is a developers (column 2, lines 45-58) codes are modified inherently including a

developers as claimed.

As per claim 32, Madison does not disclose the password. However, Lipkin discloses the

password (column 18, lines 59-67). Therefore, it would have been obvious to a person of

ordinary skill in the at the time of invention was made to incorporate the teaching of Lipkin into

the method of Madison for having password. The modification would be obvious because one of

the ordinary skill in the art would to want to provide a security measure used to restrict access to

computer systems and sensitive files.

As per claim 33 and 34, Madison discloses:

- an application program executable on a computer with the help of an operating system,

the application program using at least one external resource file and computer executable

instructions, creating the resource file using a markup language (Abstract, lines 1-18, column 4,

lines 32-45)

- providing resource loader routine for retrieving information from the resource file by

making a call as claimed (column 5, lines 64-67 and column 6, lines 1-10)

- generating the computer executable instructions independent of the resource file; and

executing the instructions int he markup language as claimed (column 4, lines 32-55).

Madison does not specifically disclose that executing the instructions independent of the resource

file. However, Lipkin discloses executing the instructions independent of the resource file

(column 1, lines 63-66).

Therefore, it would have been obvious to a person of ordinary skill in the at the time of invention

was made to incorporate the teaching of Lipkin into the method of Madison to execute the

instructions independent of the resource file. The modification would be obvious because one of

the ordinary skill in the art would to want to provide a characteristic of a program, interface or

protocol that supports software operations that produce similar results on wide variety of

resources.

As per claim 35, Madison discloses:

- an addressing mechanism for communicating a request from an application program for

specified information from at least one resource file (Abstract line 1-18)

- a markup language handling functionality to retrieve data stored using markup language

as claimed (column 3, lines 40-46, column 4, lines 40-45)

- data in the resource file is modifiable by a user (Abstract, lines 1-18, column 2, lines 8-

15, and column 6 lines 12-19).

Madison does not specifically disclose addressing mechanism for directly or indirectly

communicating the retrieved data to the application program from the resource loader. However,

Lipkin discloses communicating the retrieved data to the application program as claimed

(column 1, lines 40-58).

Therefore, it would have been obvious to a person of ordinary skill in the at the time of

invention was made to incorporate the teaching of Lipkin into the method of Madison to

communicate the retrieved data to the application program from the resource loader. The

modification would be obvious because one of the ordinary skill in the art would to want to

provide an efficient development of the software application program.

For claim 37, see the rejection of claim 1 and 27.

7.   The prior art made or record and not relied upon is considered pertinent to applicant's

disclosure.

TITLE: Interface engine for managing business processes within a multimedia

communication-center, US 6370508

TITLE: Method and apparatus for providing media-independent self-help modules within a

multimedia communication-center customer interface, US 6332154

TITLE: Composing a description of a virtual 3D world from values stored in a database and

generated by decomposing another description of a virtual 3D world , US 6348927 B1

TITLE: Method and product involving translation and execution of programs by automatic

partitioning and data structure allocation , US 5127104 A

TITLE: Computer system to compile non-incremental computer source code to execute within an

incremental type computer system, US 5884083 A

TITLE: Specification language for defining user interface panels that are platform-independent,

US 6342907 B1

TITLE: System and method for facilitating generation and editing of event handlers , US

6268852 B1

TITLE: Java resources for computer science instruction , author: Bergin et al, ACM, 1998.

8.   Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Chameli Das whose telephone number is 703-306-3014.

The examiner can normally be reached on Monday-Friday from 8:00 .A.M to 4:30 P.M.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor Greg Morse can be reached at 703-308-4789. The fax number for this group are:

(703) 746-7239 (official fax), (703) 746-7240 (non-official/draft), (703)746-7238 (after

final).

An inquiry of general nature or relating to the status of this application or proceeding

should be directed to the group receptionist whose telephone number is 703-305-9600.

Chameli C. Das

Chameli C. Das

Patent Examiner

Art Unit 2122

12/9/02